

#### ABSTRACT OF THE DISCLOSURE

A method for processing data through a system for accessing and transmitting different data frames in a digital transmission network includes the following steps: the virtual interface device classifying the data frames, and the virtual interface device outputting the data frames to corresponding device interfaces. The system includes a user-network interface (UNI), which is used to connect to a user's network, a network-network interface (NNI), which is used to connect to said digital transmission network to transfer data, a mapping/demapping device, a virtual interface device, which couples with the UNI and couples with the NNI via the mapping/demapping device, and a control device, which couples with the virtual interface device to control it to access and transmit the data frames.